"APPROVED FOR RELEASE: Tuesday, August 01, 2000

CIA-RDP86-00513R001444

ACC NR: AT7004128 SOURCE CODE: UR/3152/66/000/013/0025/0032

AUTHOR: Koryagin, V.V.; Redkolis, V.A.

ORG: none

TITLE: Phase distortions of reflections from shallow boundaries in shot grouping

SOURCE: Razvedochnaya geofizika, no. 13, 1966, 25-32

TOPIC TAGS: seismic profiling, seismic wave propagation, industrial shooting, earth crust, group shots seismic prospecting, saismic wave

ABSTRACT:

Experiments are described which were conducted during group shooting seismic prospecting operations in the Kuybyshev region to determine the phase distortions of waves reflected from a shallow (the uppermost) interface. To evaluate the distortions in instances involving different parameters in the grouping of shots, theoretical seismograms were compiled for (1) linear groups of 9 boreholes along bases of d = 80 and d = 140 m with wells spaced at intervals of 10 and 17.5 m, respectively, and (2) a rhomboid arrangement of 9 boreholes spaces at intervals of 15 m. The parameters of the medium

Card 1/2

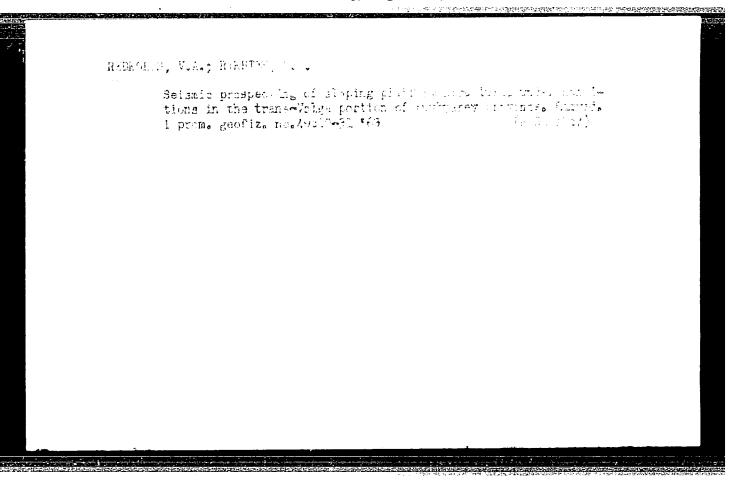
UDC: none

ACC NR: AT7004128

were set at $v=2700^\circ$ m/sec, h=450 m, and $\phi=0^\circ$. The theoretical seismograms were compiled for a shot interval of 1=425 m. Under these conditions, the time shift of a reflected wave between the most distant seismic recorders of the array at the end of the shot interval was 0.0032 sec, while the time shift between adjacent stations was 0.0008 sec. In the case of linear groupings of the sources along extended bases ($d>\lambda$ — wave length), significant phase distortions in reflections from the shallow interface were observed and thus these reflections cannot be used to compute effective velocities. In the case of the rhombic array, almost no phase distortions occurred in recording short time reflections from shallow boundaries. In cases where it is necessary that the shots be grouped along extended bases to increase the quality of reflections from deep-seated interfaces, it is recommended that an additional single blast be set off to obtain undistorted reflections from the shallow interfaces. [DM]

SUB CODE: 08/ SUBM DATE: none/ ORIG REF: 006/ ATD PRESS: 5114

Card 2/2



EWT(1)/EWT(m)/EWA(d)/EWP(t)/EWP(k)/EWP(b)/EWA(h)/EWA(c)L 60147-65 JD/HW/GW UR/0387/65/000/007/0106/0114 ACCESSION NR: AP5018884 550.834 Redkolis AUTHOR: Zaydel'son, I. I. Use of the electrohydraulic effect in seismic prospecting SOURCE: AN SSSR. Izvestiya. Fiziki zemli, no. 7, 1965, 106-114 TOPIC TAGS: seismography, electrohydraulic effect, seismic prospecting, seismic activity ABSTRACT: The paper describes the electrohydraulic effect and the equipment used to generate electrohydraulic discharges in the field as a source of seismic waves. Field work is described which was carried out near Kinel' in the Kuybyshev District using an electrohydraulic source. This field work was aimed primarily at the determination of optimum characteristics for a system for seismic prospecting, using electrohydraulic discharges. Recordings of seismic waves set up by these discharges are shown and analyzed. It was found that it is theoretically possible to record reflections from sedimentary geologic strata using electrohydraulic discharges as a source. The amplitude of the seismic trace for discharge of an 87.5 mf battery of Card 1/2

ACCESSION NR: AP5018884		€
condensers at 24 kv, is comparagm of TNT. The optimum effect	may be obtained at relative	vely low voltages by in-
creasing the total capacity of when an electrohydraulic source	the condensers. The reso.	lution of the seismic trace
frequency interference level is	s lower. Suggestions are	given for increasing the er-
fectiveness of the source, and pecting. Orig. art. has: 3 f	for applications in field igures.	s other than seismic pros-
ASSOCIATION: Kuybyshevneftege	근임용하다 하다 하는 일반으로 그렇게 먹는다.	
ASSOCIATION: KRADASHEANET reder		
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SUBMITTED: 17Feb64 NO REF SOV: 002 Cprd 2/2		SUB CODE: ES

B-8

RETROROBRAGE MAR

USSE/Thermodynamics - Thermochemistry. Equilibria.

Physical-Chemical Analysis. Fhase Transitions.

Abs Jour : Referat Zhur - Khimiya, No 6, 1957, 18532

Author: R.P. Ayrapetova, N.T. Redkorebrova.

Title : Computation of Viscosity of Binary Systems.

Orig Pub : Zh. obshch. khimii, 1956, 26, No 3, 668-672

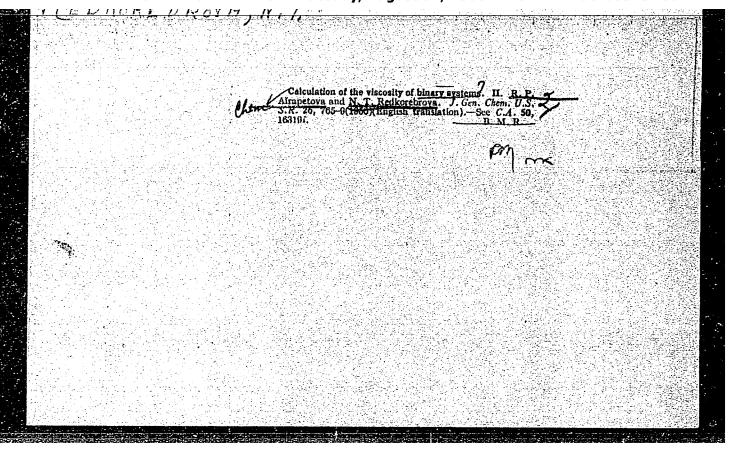
Abstract : The viscosity and density of the systems benzene (I) -

ethylbenzene (II) and I - dibromoethane (III) at 25, 45 and 55° were studied. The system I - methylacetate (IV) was studied at 25, 35 and 45°. The curves of the dependence of the molecular binding energy (in Panchenkov's sense) on the composition were plotted. The molecular weight of II, III and IV in I were determined cryoscopically. The combination of obtained data describes the system I - II as a system without chemical interaction. The systems I - III and I - IV refer to the type of ex-

pansion without chemical interaction. The curves

Card 1/2

- 210 -



AYRAPETOVA, R.P.; REDKOREBROVA, N.T.

Computation of the viscosity of binary systems. Part 2. Zhur.

ob.khim. 26 no.3:668-672 Mr '56. (MIRA 9:8)

1. Sredneaziatskiy gosudarstvennyy universitet i Vsesoyuznyy politekhnicheskiy zaochnyy institut.
(Viscosity) (Benzene)

Kibkov, no 2

S/020/60/133/02/09/068 C111/C222

AUTHOR: Red'kov, M.I.

TITLE: The Domain of the Values of the Functional $I = \ln \frac{\lambda}{\psi \varphi'(w)} \frac{1-\lambda}{\varphi(w)} \frac{1-\lambda}{\varphi(w)$

on Certain Classes of Bounded Single - Valued Functions

PERIODICAL: Doklady Akademii nauk SSSR,1960, Vol. 133, No. 2, pp. 284-287

TEXT: Let S_1 be the class of functions $\varphi(w) = \beta w + \beta_2 w^2 + \dots + \beta_n w^n + \dots$, $\beta > 0$, being regular and schlicht and for which $|\varphi(w)| < 1$ in |w| < 1. To the class $S_1 \left[|\varphi(w)| \right]$ there belong $\varphi(w) \in S_1$ which have a prescribed value $|\varphi(w)|$ in the fixed point of |w| < 1. To $S_1(\beta)$ there belong $\varphi(w) \in S_1$ with a given coefficient $\beta = \varphi'(0)$.

According to the method of P.P. Kufarev (Ref. 1) the author determines the ranges of values of the functional mentioned in the title in the classes S_1 , S_1 [$| \Psi(w) |$] and $S_1(B)$. There are 3 theorems and 12 conclusions, e.g.

Card 1/2

s/020/60/133/02/09/068 C111/C222

 $I = \ln \frac{\sqrt[4]{\psi(w)^{1-\lambda}} - \sqrt{(0)^{2}}}{\psi(w)^{\lambda} | \psi(w)|^{2}} \text{ on Certain Classes of Bounded Single-Valued Functions}$

Conclusion 6: The boundary of the range of values of the functional

 $I = \ln \frac{w^2 \phi'(w) \phi'(0)}{\phi(w)^2}$ in the class S_1 is given by the equation $I_0 = \frac{1}{2}$

 $= e^{i\alpha} \ln (1 - r^2), \quad \widetilde{\kappa} < \alpha \leq \widetilde{\kappa} \text{ where the boundary itself does not belong}$ to the set of values of the functional (I₀ is boundary point).

The author mentions N.A. Lebedev. There are 2 Soviet references.

Tomskiy gosudarstvennyy universitet imeni V.V. Kuybysheva ASSOCIATION:

(Tomsk State University imeni V.V. Kuybyshev)

PRESENTED: February 26, 1960, by M.A. Lavrent'yev, Academician

SUBMITTED: February 23, 1960

Card 2/2

RED'KOV, M.I..

Range of values of a functional in certain classes of bounded univalent functions. Uch.zap.TCU no.36:33-50 '60. (MIRA 14:5)

(Functions of complex variables)

"APPROVED FOR RELEASE: Tuesday, August 01, 2000

CIA-RDP86-00513R001444

RED'K	OV,	M.	I.
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Range of values of the functional I In $\omega^{\lambda} \varphi(\omega)^{-\lambda} \psi(\omega)^{\lambda}$

in the class S₁. Izv. vys. ucheb. zav.; mat. no.4:134-142 (MIRA 15:10)

1. Tomskiy gosudarstvennyy universitet imeni V. V. Kuybysheva.

(Functional analysis)

RED'KOV, M.I.

Range of values of the functional $I = \ln \frac{\omega q'(u)^{-2} \rho'(0)^{2}}{\rho(u)}$ in the class of $S_1 [|g(u)|]$. Izv.vys.ucheb.zav.; mat. no.2:119-129 162.

[MIRA 15:8]

1. Tomskiy gosudarstvennyy universitet imeni V.V.Kuybysheva. (Functional analysis)

RED'KOV, E. I., Cand. Phys-Math. Sci. (dles) "Field of Values of One Functional for Several Classes of Restricted Unilinear Functions." Tomsk, 1981, 5 pp (Tomsk State Univ.) 200 copies (KL Supp 10461, 355).

APPROVED FOR RELEASE: Tuesday, August 01, 2000 CIA-RDP86-00513R0014445

adalah kembandan dibada dalah sebagai dan kembanasa dalah sebagai dalah dalah

RED'KOV, M.I. (Chask)

Coefficients of bounded univalent functions. Izv.vys.ucheb.zav.;
mat. no.lsll4-122 '65. (MIRA 18:3)

"APPROVED FOR RELEASE: Tuesday, August 01, 2000

CIA-RDP86-00513R001444

RED'KOV, M.I.

Domains of the values of the functional I = (ω) (ω) (ω) on certain classes of limited univalent functions. Dokl.AN (ω) SSSR 133 no.2:284-287 J1 '60. (MIRA 13:7)

1. Tomskiy gosudarstvennyy universitet im. V.V. Kuybysheva. Predstavleno akademikom M.A. Lavrent'yevym.

(Surfaces, Representation of)

ALEKSANDROV, G.N., kand. tekhn. nauk; IVANOV, V.L., inzh.; REDKOV, V.P., inzh.

Electrical strength of an air gap between the wire of a superhigh voltage transmission line and ground in the presence of internal overvoltages. Elektrichestvo no.4:20-24 Ap '65.

1. Leningradskiy politekhnicheskiy institut.

(MIRA 18:5)

RED'KOV, V.S., inzh.

Using new surveying equipment for linear surveying. Transp. stroi. 15 no.11:37-38 N '65. (MIRA 18:11)

Carbonaceous Chestmut soils of Akmolinsk Province. Izv.AN Kazekh.SSR.Ser.bot.i pochv. no.2:16-25 '59. (Akmolinsk Province---Soils)

Soil zones, Kazakh.SSR.	subzones, ar Ser. bot. i (TSelir	nd regions in pochv. no.2 nograd Provin	2:30 - 40 <i>'6</i> 1.	l Province. , (MIR	Izv. AN A 15:2)

REDKOV, Vasiliy Vasil'yevich; STOROZHEMKO, D.M., otv. red.; SHEVCHUK, T.T., red.; OSTROVERKHOV, A.I., red.

[Soils of the Kazakh S.S.R. in 16 issues] Pochvy Ka-zakhskoi MSR v 16 vypuskakh. Alma-Ata, Nauka. No.5. 1964. 323 p. (MIRA 17:12)

1. Akademiya nauk Kazakhskoy SSR, Alma-Ata. Institut poch-vovedeniya.

ROSHOHIN, G.V.; ORURK, I.A.; AKIMOVA, M.Ya., REDKOVA, G.P.

Use of a specialized electronic network analyzer and digital computers in the study of processes in electric power systems. Sborabapo vop.elektromekh.no.8:49-60 '63.

(MIRA 16:5)

(Electric network analyzers) (Electric power distribution)

REDKOVETS, N.F., inzh.

Effect of stresses below the fatigue limit on the durability of parts operating under variable loads. Vest. mashinostr. 44 no.6:26-29 Je 164. (MIRA 17:8)

REDKOZUB, B.D.; ARTEMTUK, B.T.

Selecting the built-in electric motor for hermetic system compressors. Khol.tekh. 42 no.2:14-17 Mr-Ap 165.

(MIRA 18:5)

HEDKOZUB, D.

Individual plans for workers. Sov. profsoiuzy 6 no.1:68-69
Ja '58.

(MIRA 11:1)

1.Nachal'nik kuznechno-pressovogo tsekha Mikolayevskogo zavoda
"Dormashina".

(Forging)

MAGO, Kalman; REDL, Endre; PAPP, Gyula; MAJOR, Janos; KOMPORDAY, Aurel

Television picture tubes; also remarks by E.Redl and others.
Muszaki kozl MTA 26 no.1/4:109-122 '60. (EEAI 9:10)

 Tavkozlesi Kutato Intezet (for Mago) (Hungary--Television)

and the first was to be a second way for a selection of the

VALKO, Ivan Peter, a muszaki tudomanyok kandidatusa; REDL, Endre; HECKENAST, Gabor; MOLNAR, Janos; BUDINCSEVICS, A.; BODO, Zoltan

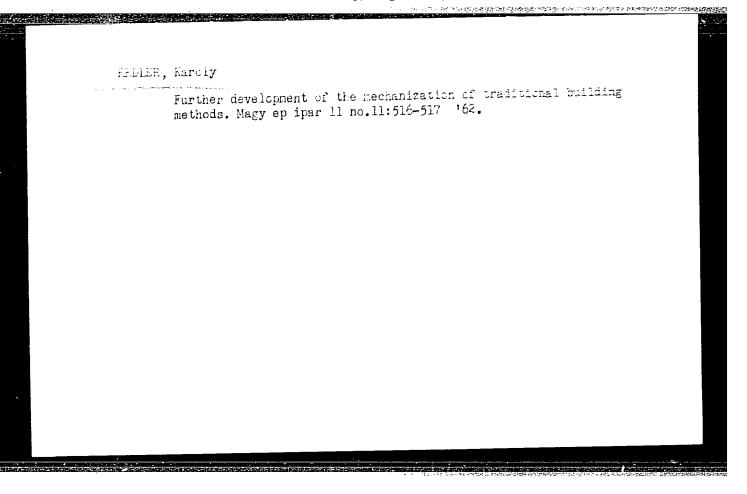
Luminescent noise of electronic tubes: also, remarks by E.Redl and others. Muszaki kozl MTA 26 no.1/4:173-182 '60. (EEAI 9:10)

1. Budapesti Muszaki Egyetem, Elektroncsotechnikai Tanszek (for Valko)
(Electron tubes)

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"In an auromobile School.". 3, No. 19, Sept. 1954, Fraha, Czechoslov.kia)
(OHERECOLOV.Noka add h., Vol. 3, No. 19, Sept. 1954, Fraha, Czechoslov.kia)

52: Monthly List of East European accessions, (...L), t, Vol. 4
No. 5, Fay 1955, Uncl.
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Pilliadilli, P. J.	Development and present state of beer bottling technique. F. G. Reedbacher (Heaver u. Maltor, 1954, 7, No. 4, 3-0).—A review with descriptions and illustrations of various appears of bottling plant.	



REDLICH, Franciszek Treatment of diphtheria. Pediat. polska 29 no.7 Suppl.:22-27 9 Sept. 54.
(DIPHTHERIA, therapy.)

GIOKS IN, W.; REDLICH, F., TRONCZYNSKI, M.

Treatment of diphtheria with aureomycin. Pediat. polska 28 no.7:723-727 July 1953. (CIML 25:4)

1. Of the Second Pediatric Clinic (Head--Prof. F. Redlich, M.D.) of Lodz Medical Academy.

REDLICH, Franciszek; MARGOLIS, Alina

Clinic of reticuloendotheliosis; a case of Hand-Schuler-Christian disease. Pediat.polska 30 no.1:53-56 Jan 55.

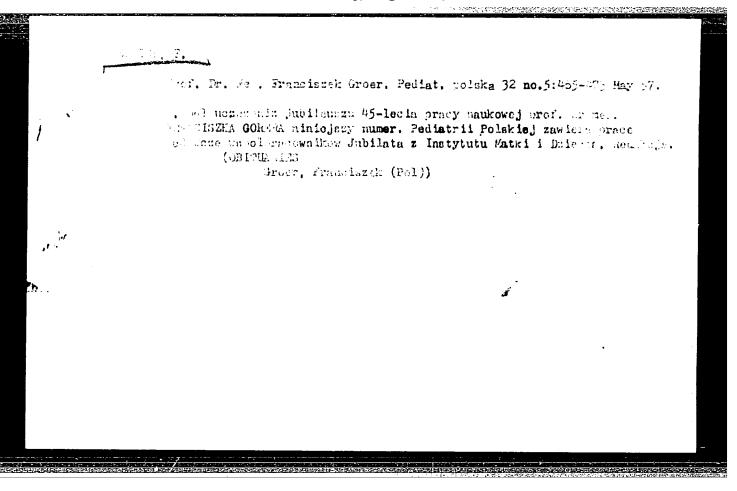
 Z II Kliniki Chorob Dzieci A. M. w Lodzi Kierownik: prof. dr med. Fr. Redlich. Adres: Lodz, Armii Czerwonej 15. (LIPOIDOSIS,

Hand-Schuler-Christian synd. in inf. and child.)

REDLICH, Franciszek

Scientific silhouettes of members of the Polish Academy of Sciences, Franciszek Groer. Nauka Pol 9 no.4:75-31 0-D '61.

	COMPANIES IN TORMASSION
EXCERPTA MEDICA Sec. 7 Vol. 9/10 Oct. 55	
2271. REDLICH F. and MARZYŃSKA St. Srmii Czerwonej 15, Łódź. *Znaczenie szkoły matek dla oświaty sanitarnej. The importance of maternity schools in public health PEDIAT.POL. 1954, 29/1 (III-II4) Report on extremely intensive sociopaediatric work. The number of maternity schools in Poland was increased to !30 during the period 1952-1953. The municipal prenatal care centre of the city of Lodz alone trained 8670 persons by abbreviated courses of only 2 days' duration. This 'Blitz' system was necessary in view of the fact that pupils, who came from all levels of the working population, including medical students and social workers, were too busily engaged already to be able to afford more time. It is stated that this programme will indubitably exert a favourable influence on the health of infants in general. Mayerhofer - Zagreb	
	de de la companya de
The state of the s	



RADZIMINSKI, A.; REDLICH, Fr.; GLOKSIN, W.

Apparatus for intubation in direct laryngoscopy. Otolar. polska 9 no.3:279-280 1955.

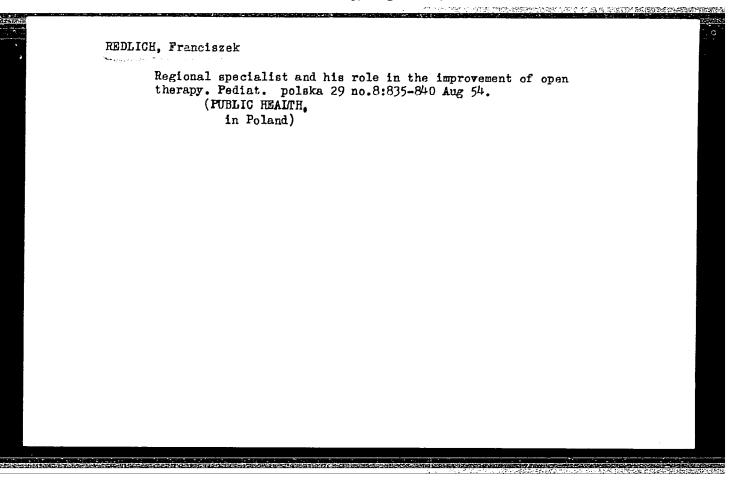
1. Z II Kliniki Chorob Dzieci A.M. w Lodzi, Kierownik: prof. dr. Fr. Redlich. Z Eliniki Otolaryngologicznej A.M. w Lodzi. Kierownik: prof. dr. A.Radziminski.

(LARYNGOSCOPY, apparatus and instruments, vor intubation in direct laryngoscopy)

RADZIMINSKI, A; REDLICH, Fr; GLOKSIN, W. REDLICH, Fr., prof. dr.; Lods, Armii Czerwonej 17.

Principles and technic of laryngoscopy for pediatric use. Pediat. polska 30 no.4:361-366 Apr '55.

(LARYNGOSCOPY,
in pediatrics technic)



REDLICH, Franciszek; MARZYNSKA, Stefania

Significance of schools for mothers in health education. Pediat pol 29 no.1:111-114 Ja 154. (ERAL 3:8)

1. Otrzymano: 18.IX.1953) (MATERNAL WELFARE, *in Poland, prenatal maternal educ.)

BASZCZYNSKI, J.; BODALSKI, J.; HORSKI, S.; JAROSIK, N.; KWIATKOWSKA, M.; MACIEJEWSKI, A.; REDLIGH, J.

Morgagni-Adams-Stokes syndrome in a 10-year-old boy; clinical death and resuscitation by prolonged direct heart massage. Kardiol.pol. 6 no.4:259-265 '63.

1. Z II Kliniki Pediatrycznej AM w Lodzi (kierownik:prof. dr. F.Redlich); z Kliniki Chirurgii Dzieciecej AM w Lodzi (kierownik: prof.dr. A.Maciejewski) i z Kliniki Neurologicznej AM w Lodzi (kierownik: prof. dr. E.Herman).



DEBIEC, Barbara; NOWICKI, Stanislaw; REDLICH, Jerzy

A case of gasoline poisoning in a 21-month-old infant. Pediat. pol. 39 no.1:57-60 Ja*64

1. Z II Kliniki Chorob Dzieci AM i WAM w Lodzi; Kleromik: prof.dr.med. F.Redlich.

*

"APPROVED FOR RELEASE: Tuesday, August 01, 2000 CIA-RDP86-00513R001444

MED MA M.

CZECHOSLOVAKIA / Chemical Technology. Chemical Products and

J-ll

Their Application - Fats and oils. Waxes. Soap.

Detergents. Flotation reagents

Abs Jour

: Referat Zhur - Khimiya, No 2, 1958, 6078

Author

: Zvolsky K., Redlich P.

Inst

: Not given

Title

: Chromatography in the Industry of Pats

Orig Pub

: Prumysl potravin, 1955, 6, No 11, 559

Abstract

: It is shown that it is possible to separate, by the

chromatographic method, 7 pure fat acids (lauric, myristic, palmitic, stearic, butyric, linolenic and erucic).

Card 1/1

HACH, Laszlo, okleveles gepeszmernok; REDLING, Albert, okleveles mernok

The "RBP" pipeline system. Energia es atom 16 no.7:315-323 Jl 163,

l. Kelenfoldi Hoeromu.

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IADIA, James (numerical, II., rushtaneri ut 77/6); REDLY, Judit (Misc) (Budapest, II., Pusztaszeri ut 57/6); REDLY, Judit (Misc) (Budapest, II., Pusztaszeri ut 57/69)

Research on the electronic structure of 1-benzene-azo-
N-phenyl-2-naphthylamine chelate. Pt.1.Acta chimica Hung
38 no.4:393-403 '63.

1. Central Research Institute for Chemistry, Hungarian Academy
of Reiences, Budapest, and State Institute for Statistics,
he aspest.
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"APPROVED FOR RELEASE: Tuesday, August 01, 2000 CIA-RDP86-00513R001444

Section Figure Section Section of Section and Teather Section Application: a book review. t. 120 (Fohaszati Ianok. Sudamest Vol. 11, no. /, June 1056 Ontode. Vol. 7, no. ()

Section Figure Section Section (ETAL) 16., Vol. 6, no. 7, July 1057 Uncl.

REDNIKOV, VSEVOLOD ANATOLIYEVICH

MUZHICHKOV, Vasiliy Ivanovich, inzhener; REDNIKOV, Vsevolod Anatol vevich, inzhener; RIDEL', E.I., kandidat tekhnicheskikh nauk, redektor; VERINA, G.P., tekhnicheskiy redektor

[Hoisting cranes for railroad operations (construction, operation and repair)] Gruzopod emnye krany na zheleznodorozhnom khodu (ustroistvo, ekspluatatsiia i remont). Moskva, Gos.transp.zhel-dor.izd-vo. 1957. 463 p. (MIRA 10:9) (Cranes, derricks, etc.)

A long-react class for publishing professional newal breits, p. 197

Thomas is an institut (parella Councilla Councilla Councilla Pedialegua, Institut Herski i Jersui Institut (parella) Edensk, Poland, Vol. 9, no. 5, Nor, 1959

Tenning List of Inst Erro on Accousions (EDAI) IN Vol. 1, no. 7, August, 1959

Thol.

REDMAIL O.V.

Effect of excessive soil moisture on the process of tuber development in potatoes. Uch.zap.Fed.inst.Gerts. 249:295-302 163.

(MIRA 17:12)

1. Leningradskiy gosudarstvennyy pedagogicheskiy institut imeni A.I. Gertsena, Kafedra botaniki.

REDNIKIN, A.

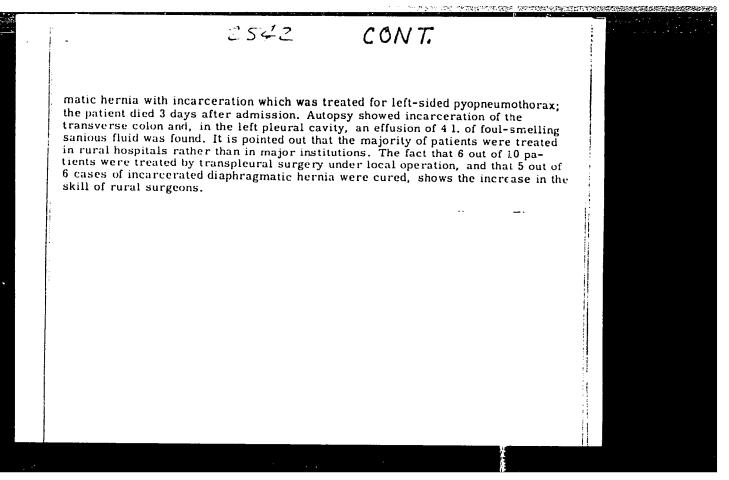
Grigorii Reva and his followers. Mashinostroitel' no.12:2-3
D *62. (MIRA 16:1)

(Kramatorsk--Machinery industry)

"APPROVED FOR RELEASE: Tuesday, August 01, 2000

CIA-RDP86-00513R001444

RAUGHTA EMBICA Sec.9 Vol.11/5 1957 2542. REDKOS.M. The diagnosis and surgical treatment of diaphragmatic hernia (survey of papers presented to the Editorial Board) KHIRURGIJA (Mosk.) 1955. 1 (55-57) (Russian text) In 1951 Korbelnikow presented collective statistics on 268 cases of traumatic diaphragmatic hernia. Among 97 patients who underwent an operation for incareerated diaphragmatic hernia there were 38 cures; the mortality was 61%. In this survey of 8 papers 11 cases of diaphragmatic hernia are discussed, including 6 left-sided and 5 right-sided hermae. Special mention is made of Gamow's report, which states that, in a case of artificial pneumoperitoneum, an air bubble in the cup of the herma in the thoracic cavity was visualized radiologically and this was used as an aid in the diagnosis of the condition. Issajew reports on a patient with 3 diaphragmatic herniae found after 3 stab wounds in the left hemithorax were inflicted; the transverse colon was incarcerated in one of the orifices; only omentum was found in the other 2 hernial sacs. The patient died on the table as a result of shock. Dorofejenko and Rasumnaja report on a case of unrecognized diaphrag-



Developing new grape varieties. Trudy Alma-At. tot. sada 4:100-110
159. (Alma-Ata--Grape breeding)

"APPROVED FOR RELEASE: Tuesday, August 01, 2000 CIA-RDP86-00513R001444

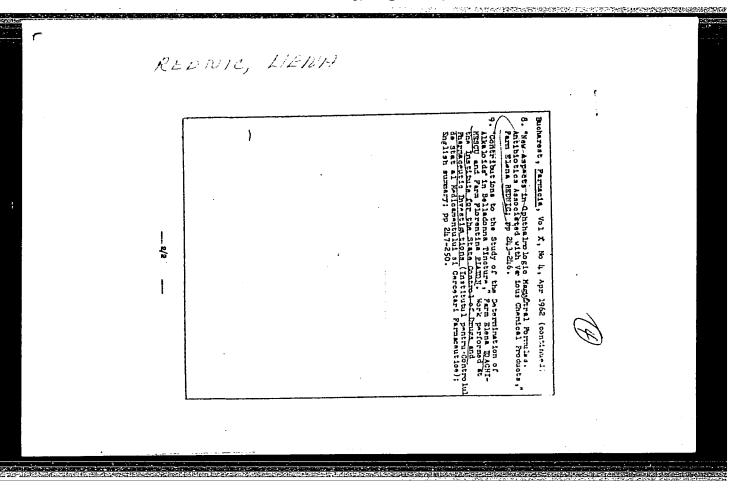
REDMAN, Irena

Ten years of editorial activities in the field of professional maritime books. Tech gosp morska ll no.1:4-6 Ja '61.

1. Wydawnictwo Morskie, Gdynia.

REDMAN, Irena, dr. (Cdynia)

Freight broker in socialist overseas transportation. Tech gosp
morska 14 no.3:69-70 Mr. 64



MIRA 17:6)

Masiliy Ivanovich; REDNIKOV, Vsevolod Anatol'yevich; SOBAKIE, V.V., red. [deceased]; MEL'NIKOV, V.Ye., red.

[Weight-lifting rail cranes; design, operation and repair] Gruzopod"emnye krany na zheleznodorozhnom khodu; ustroistvo, ekspluatatsiia i remont. Izd.2., dop. i perer. Moskva, Transport, 1964. 455 p. (MIRA 17:6)

REDNIKO, No., spandil policialmik, was many leadedly as we klassa;
SULTANOV, A., spandil policialmik, regulary leadedly service klassa
Commands are flying through the dir. Av. 1 1100. 18 nt. 11:51-55
N 165.

KOKHANOVA, 1.V., REDNIKOVA, T.A.; STARKOV, S.P., YEGIDIS, F M;
TABANENKO, A.S.; ZOLOTAREVA, K.A.

Ion-exchange resins as catalysts in organic synthesis. Part 2;
Arylalkylation of n-cresol with styrene on KU-1 and KU-2 cation exchange resins. Zhur. org. khim. 1 nc.4:648-649 Ap 165.

(MIRA 18:11)

1. Nauchno-issledovatel akiy institut khimikatov dlya polimernykh materialov i Tambovskiy gosudarstvennyy pedagogicheskiy institut.

"APPROVED FOR RELEASE: Tuesday, August 01, 2000 CIA-RDP86-00513R001444

REDO, Tadeusz, inz.

Pioneer efforts leading to mechanization and automation. Przem mat bud 9 no.12:1,3 Mr 162.

REDOROV, R., inzh.

Tails of meteors, wandering clouds, and the echo of distant television broadcast stations. Nauka i zhizn' 29 no.5:65-68 My '62.

(MIRA 15:11)

(Television--Receivers and reception)

LEONOV, M. R.; REDOSHKIN, B. A.; SHUSHUNOV, V. A.

Radiochemical investigation of the reaction of cumene hydroperoxide with cumene. Zhur. ob. khim. 32 no.12:3959-3962 D 162. (MIRA 16:1)

(Cumene) (Hydroperoxide) (Radiochemistry)

շկ818 s/081/61/000/011/010/040 B105/B203

5.3400

AUTHORS: Redoshkin, B. A., Shushunov, V. A., Kurochkin, N. I.

TITLE: Oxidation kinetics of cyclohexyl benzene by oxygen

PERIODICAL: Referativnyy zhurnal, Khimiya, no. 11, 1961, 62-63, abstract 116451.(Tr. po khimii i khim. tekhnolog. (Gor'kiy), 1960, vyp.

1, 3-8)

TEXT: The rate of oxidation of cyclohexyl benzene (I) does not depend on the pressure p of 0 at p>200 mm Hg and on the initial amount of (I); with temperature increasing from 115 to 140°C, it grows rapidly. The apparent activation energy of the gross process is equal to 24 kcal/mole. The yield in hydrogen peroxide of (I) drops during the reaction which, in the authors' opinion, indicates the presence of induced decomposition of the hydrogen peroxide of (I), as well as an acceleration of its thermal decomposition under the action of the decomposition products.

[Abstracter's note: Complete translation.]

Card 1/1

Solving linear heat problems for a unformly moving boundary in a semi-infinite region. Zhur. tekhn. fiz. 30 no.6:606-610 Je '60.

(MIRA 13:8)

l. Uchebno-konsulitatsionnyy punkt Vsesoyuznogo zaochnogo politekhnicheskogo instituta, Vorkuta.

(Thermodynamics)

"APPROVED FOR RELEASE: Tuesday, August 01, 2000 CIA-RDP86-00513R001444

RELCZUROVA, C.S.

Special type of pairs of Theongreences. Hohe zep. 5081 no.208: 177-189 *63.

Symptal type of orthogonal pairs of T-congruences. (bld.:190-196 (MIRA 17:6)

REDL, A.

"A survey of Tungsram's vacuum-technical products." p. 17

HUNGARIAN HEAVY INDUSTRIES. (Magyar Kereskedelmi Kamara). Budapest, Hungary. No. 24, Winter 1959 (i.e. 1958/59)

Monthly list of East European Accessions (EFAI), LC, Vol 8, No. 8, August 1959 Uncla.

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Specialization and postgraduate education in Czechoslovakia.
Sov.med. 23 no.4:143-148 Ap '59. (MIRA 12:6)

1. Zan. direktora Instituta usovershenstvovaniya vrachey
v Prage (Chekhoslovakiya).
(KDUCATION, MEDICAL,
postgraduate, in Czech. (Rus))
(SPECIALISM,
in Czech. (Rus))
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SOV/126-8-5-5/29

AUTHORS:

TITLE:

Card

1/5

Shur, Ya.S., Shtolits, Ye.V., Kandaurova, G.S., and

Redneva, L.V.

The Temperature Dependence of Magnetic Properties of

MnBi Alloy Powder Samples with Magnetic Texture

PERIODICAL: Fizika metallov i metallovedeniye, Vol 8, 1959, Nr 5,

pp 678-684 (USSR)

ABSTRACT: The authors studied the temperature dependence of

magnetic properties of samples made of the MnBi alloy powder. This alloy has a very high magnetic anisotropy constant K at room temperature (Ref 4) and a high value of the critical particle size, der (below this size the powder particles exist in monodomain state only).

On lowering of temperature the value of K falls sharply and this is accompanied by a sharp fall of the critical particle size der, which is a function of K.

follows that on lowering of temperature the magnetic structure of MnBi alloy powders will be altered (a

polydomain-monodomain transition will occur) and this

change of structure will affect some magnetic properties.

Consequently we can make some deductions about the structure of this magnetically uniaxial material from

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The Temperature Dependence of Magnetic Properties of MnBi Alloy Powder Samples with Magnetic Texture

the temperature dependence of its magnetic properties. The alloy was produced by heating powders of Mn and Bi together at 300 °C and its coercive force was of the The alloy was powdered mechanically order of 1000 Oe. and several fractions of the powder with particle size from 2 to 20 u were obtained. Samples were made from each fraction by mixing the powder with a binder and by placing this mixture in a disk-like form and allowing it to set between two poles of an electromagnet. In this way magnetically textured samples were obtained whose texture axis lay along the direction of the electromagnet field. Magnetic properties were measured between 20 and -150 °C using a ballistic throw method. Samples were demagnetized at the temperature at which a particular set of measurements were carried out by a suitable constant magnetic field in the reverse direction. The angular dependences of the coercive force and residual magnetization were obtained, magnetization curves were recorded and dependence of the residual magnetization (for partial magnetization cycles) on the magnitude of

Card 2/5

SOV/126-8-5-5/29

The Temperature Dependence of Magnetic Properties of MnBi Alloy Powder Samples with Magnetic Texture

the maximum field used to magnetize the sample were found. The main results are given in Figs 1-4. Fig 1 shows the angular dependence of the coercive force of a sample made from powder with 6 μ particle size at temperatures of +20, -40, -65, -90 and -150 °C (curves 1-5 respectively). The abscissa represents φ which is the angle between the texture axis and the direction of the magnetic field used in measurements. The ordinate represents the ratio of the coercive force H_C measured in the direction of φ and the coercive force, H_C^0 , along the texture axis ($\varphi = 0^{\circ}$). Fig 2 shows the angular dependence of the relative coercive force, H_C^0 / H_C^0 , of samples made of powders with particle sizes of 20, 6, 3 and 2 μ (curves 1-4 respectively); all the results in Fig 2 were obtained at -65 °C. Fig 3 shows the temperature dependence of the relative residual magnetization (defined as the ratio of the residual magnetization I_T to the saturation magnetization I_S) along the texture axis of samples made of

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SOV/126-8-5-5/29

The Temperature Dependence of Magnetic Properties of MnBi Alloy Powder Samples with Magnetic Texture

powders with 30 and 3 µ particle size (curves 1 and 2 respectively). Fig 4a shows the 20 °C dependence of the relative magnetization I/Is (curve 1) and the relative residual magnetization Ir/Is (curve 2) on the magnetic field intensity along the texture axis (The results of Figs 4a, 4b and 4B all refer to a sample made of powder with 6 µ particle size). Figs 4b and 4B give the same dependences at -37 °C and at -60 °C. The authors draw the following conclusions from their results. 1) On lowering of temperature the curves representing the angular dependence of the coercive force depart more and more from the theoretical curve $H_{\mathbf{c}}(\mathbf{\varphi})$ for a monodomain sample. This is due to a decrease of the anisotropy constant and consequent lowering of the magnitude of dcr as a result of which the magnetic structure of powder particles changes gradually from monodomain to polydomain type. 2) At room temperature, when the anisotropy constant K and the critical particle size dcr are large, the residual magnetization produced by partial magnetization,

Card 4/5

x 7/126-8-5-5/29

The Temperature Dependence of Magnetic Properties of MnBi Alloy . owder Samples with Magnetic Texture

> cycles is close to the maximum magnetization of a complete cycle and the maximum residual magnetization is reached in the saturation field, i.e. the magnetic structure is practically monodomain. On lowering of temperature the values of K and der decrease and the maximum residual magnetization remains close to the saturation magnetization but is reached in fields larger than the saturation field (transition structure). At low temperatures, i.e. when K and der are low, the residual magnetization is small and is reached in fields lower than the saturation field (polydomain structure). There are 4 figures and 5 references, of which 3 are Soviet, 1 is English and 1 is French.

Card 5/5

ASSOCI.FICM: Institut fiziki metallov, AN GUCR

(Institute of Physics of Netals, Rendemy of Sciences U.J.)

SUBLITTID:

July 18, 1959

AUTHORS:

Lebedev, O. L., Redoshkin, A. M.

SOV/32-24-10-63/70

TITLE:

An Apparatus for the Continuous Addition of a Liquid Under Pressure (Prisposobleniye dlya nepreryvnoy podachi zhidkosti

pod davleniyem)

PERIODICAL:

Zavodskaya Laboratoriya, 1958, Vol 24, Nr 10, pp 1291-1291 (USSR)

ABSTRACT:

An apparatus was constructed which is used in dosing 40% caustic soda solution into an atmosphere of carbon monoxide and steam at 50 atmospheres absolute pressure and 200°. The liquid to be added to the container with compressed gas is in a tank equipped with an electromagnetic valve and connected to the gas container. In a pipe (of non-magnetic steel EI -183) there is a steel ball. Below the steel ball there is a steel rod which rises or falls together with the ball by the action of the electromagnet, thus closing or opening the inlet of the liquid to the gas container. In case the liquid reacts with the gas a sealing container with inert gas must be inserted into the pressurebalancing pipe. At a dosing rate of 10 ml/minute the amount of the liquid addition deviates by maximally 0,5 ml/minute, i. e. + 5%. A diagram of the apparatus is given. There is 1 figure.

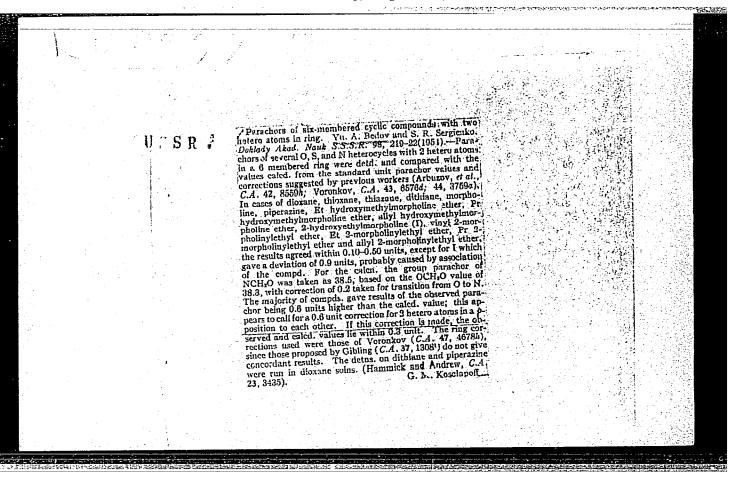
Card 1/2

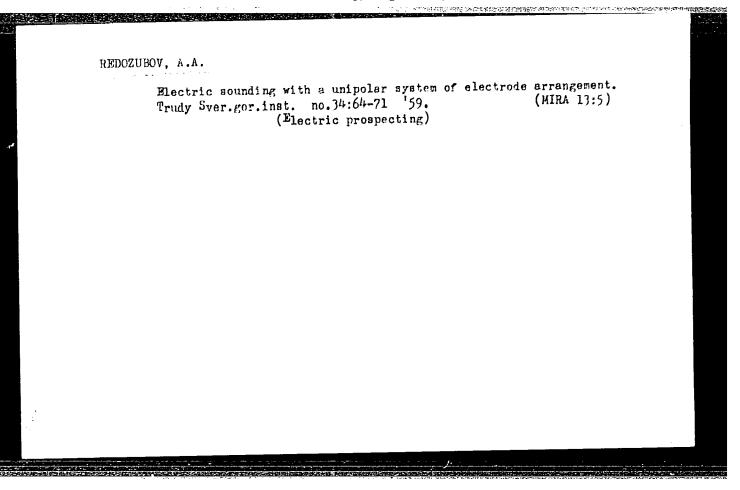
SOV/32-24-10-63/70

An Apparatus for the Continuous Addition of a Liquid Under Pressure

ASSOCIATION: Gor'kovskiy politekhnicheskiy institut im. A. A. Zhdanova (Gor'kiy Polytechnical Institute imeni A. A. Zhdanov)

Card 2/2





Sakovtsev, G.P. and Redozubov, A.A. AUTHOR:

132-10-11/13

TITLE:

Measuring Electric Resistivity in Prospecting for Pyrites

in the Urals (Rezistovisetriya pri poiskakh kolchedannykh

mestorozhdeniy Urala)

PERIODICAL:

Razvedka i okhrana nedr, 1957, # 10, p 56-58 (USSR)

ABSTRACT:

Hydroelectrometry can be used as a means to locate likely areas of pyrite deposits. The author described the use of the hydroelectromater HPH-1 (designed by A.S. Polyakov) at prospecting for pyrite in the Krasnouralsk Rayon of the Sverdlovsk oblast', and furnished a graph for conversion of resistance values into specific electrical water resistance. The example proved the practical value of hydroelectrometers when used in conjunction

with geologic surveying. There are 1 graph, 2 figures, and 2 Slavic (Russian) references.

ASSOCIATION: Sverdlovsk Mining Institute (Sverdlovskiy gornyy institut)

AVAILABLE:

Library of Congress

Card 1/1

REDOZUBOV, A.A.

Using the methods of immersed electrodes and charged body. Biul. nauch.-tekh. inform. VIMS no.2:36-40 '63. (MIRA 18:2)

1. Sverdlovskiy gornyy institut.

"APPROVED FOR RELEASE: Tuesday, August 01, 2000 CIA-RDP86-00513R001444

SHUSHUNOV, V.A.; REDOSHKIN, B.A.; COLUBEV, Yu.D.

Effect of certain factors on the rate of oxidation of cumene by oxygen and on its hydroperoxide yield. Zhur.prikl.khim.

35 no.4:832-838 Ap '62.

(Cumene) (Oxidation)

REDOZUBOV. D.V.

Applying circumference integrals to the solution of one dimensional problems in the theory of heat conduction [with summary in English]. Inzh.-fiz.zhur. no.1:76-78 Ja '59.

(MIRA 12:1)

1. Uchebno-konsul'tatsionnyy punkt Vsesoyuznogo zaochnogo politekhnicheskogo instituta, g. Vorkuta.

(Calculus, Operational) (Heat--Conduction)

REDOZUBOV. D.V.

On linear thermal problems with a shifting boundary. Zhur. tekh. fiz. 27 no.9:2149-2157 S '57.

(NIRA 10:11)

1. Pechorskiy filial Vsesoyuznogo nauchno-issledovatel'skogo ugol'-nogo instituta, Vorkuta.

(Thermodynamics)

57-9-30/40

AUTHOR:

Redozubov, D.V.

TITLE:

On Linear Thermal Problems with a Mobile Boundary (O lineynykh teplovykh zadachakh s odnoy dvizhushcheysya granit-

PERIODICAL:

Zhurnal Tekhn. Fiz., 1957, Vol. 27, Nr 9, pp. 2149 - 2157 (USSR)

ABSTRACT:

The general mathematical formulation of a onedimensional thermal problem with a mobile boundary for its given law of motion for the semiinfinite domain of $0 < x < \infty$ is given. The given law of motion is a function y(t) at the condition y(0) = 0. The general problem consists of two independent problems: The one for the domain 0 < x < y(t) and the other for the domain $y(t) < x < \infty$. The tasks were solved in principle, but these solutions lead to the necessity of a system of integral equations of the Fredholm- and Volterra type. Here a solution for 0 < x < y(t) is given without having to resort to solving these integral equations, but only for one single case. To this case there correspond the following boundary conditions $u_1(y(t), t) = u_1 = const$ and the law of motion of the mobile boundary in the shape of $y(t) = \beta \sqrt{t}$, where is a constant number. For the case, i.e. the domain $y(t) < x < \infty$ more favorable solutions could be

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57-9-30/40

On Linear Thermal Problems with a Mobile Boundary

found, which are demonstrated here. They are 1.): The solution of the thermal problem with a mobile boundary at zero temperature on this boundary and an initial distribution f(x) in the domain $y(t) < x < \infty$. 2.) Solution of the thermal problem with a mobile boundary with a zero initial distribution and a given temperature on the same boundary for the domain $y(t) < x < \infty$. In conclusion the generalization of the onedimensional thermal problem with a mobile boundary is given for the entire domain $0 < x < \infty$. From the physical point of view such a generalizing problem expresses the phase process (melting and freezing) on the mobile boundary y(t) if a thermal source with an efficiency of ψ (t) acts on this boundary. There are 2 tables and 5 Slavic references.

ASSOCIATION:

Pechora Branch of the "VUGI", Vorkuta

(Pechorskiy filial VUGI, Vorkuta)

SUBMITTED:

February 22, 1957

AVAILABLE:

Library of Congress

Card 2/2

Condenser tube corrosion in maritime areas electric power plants.

Trudy kom. po bor'. s korr.met. no.1:127-136 '51. (MLHA 10:8)

(Condensers (Electricity)--Corrosion)

BELYAYEVA, Ye.M.; REDOROVA, T.A. (Moskva)

Data on electrophoretic investigation of the protein composition of organs and tissues. Usp. sovr. biol. 53 no.2:137-151 Mr-Ap '62. (MIRA 15:5)

(ELECTROPHORESIS) (PROTEINS IN THE BODY)

LEBEDEV, O. L.; REDOSHKIN, A.M.

Device for the continuous feed of liquid under pressure. Zav. lab. 24 no.10:1291 58. (MIRA 11:11)

1. Gor'kovskiy politekhnicheskiy institut imeni A.A.Zhdanova. (Chemical laboratories--Equipment and supplies)

"APPROVED FOR RELEASE: Tuesday, August 01, 2000 CIA-RDP86-00513R001444

KFDUZUKUV D. B.V.		
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Redormlow, D. R. Thermal field laws of the permafrost in the Vorkuta region. Translation Permafrost Accorded Translation Trans	Reglesp !	
a slow change, while the climate does not change. Subject Headings: 1. Permatrost undergoes 2. Vorkuta Region, USSR. I. Stambul-Sheik, Leonid (trans.) II. Peel, Jaroslav Jan (trans.).		

s/169/61/000/011/022/065 D228/D304

AUTHOR:

Redozubov, A.A.

TITLE:

Electric probing with unipolar equipment

PERIODICAL:

Referativnyy zhurnal, Geofizika, no. 11, 1961, 27-28, abstract 11A243 (Tr. Sverdl. gorn. in-ta, no. 34,

1959, 64-71)

TEXT: Sulfide deposits of the Central Urals usually occur among shales with a low resistance. The distinguishing of the zones of maximum electro-conductivity caused by commercial mineralization is difficult under such conditions. Unipolar AMNA equipment is sometimes used to solve this problem. The horizontal component of the current density equals zero at the center of such equipment in a unipolar medium. The vertical component of the current density which also equals zero at the surface, reaches its maximum value at a certain depth which is connected with the equipment's size. Thus, in the presence of a particular heterogeneity near the device, there is a certain optimum electrode-dispersion, during which the maximum

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Electric probing with unipolar ...

S/169/61/000/011/022/065 D228/D304

anomaly effect from this heterogeneity is observed. As is shown by the results of the cited calculations, and also by field and modeling observations, the extent of anomalous objects in depth may be judged from graphs of the anomaly intensity's dependence on the dimensions of the feeder equipment and from sections of the anomaly intensity; this enables anomalies due to the influence of electroconductive shales and ore deposits to be separated. In the author's opinion the proposed method gives clearer results than is the case with vertical electric problings. [Abstractor's note: Complete translation].

Card 2/2

SAKOVISHY, G.P.; POTKIN, F.M.; REDOZUBOV, A.A.

Geological and geophysical characteristics of Novo-Shaytanka pyrite deposits in Central-Urals, Kirovograd region. Izv. vys. ucheb. zav.; tsvet. met. no.2:3-10 158. (MIRA 11:8)

1. Sverdlovskiy gornyy institut, Kafedra geofizicheskikh metodov razvedki.

(Ural Mountains -- Pyrites)

SAPOVISEV, G.P.; REDOZUBOV, A.A.

Heasuring electric resitance in prospecting for pyrite fields in the Ural region. Rasved. i okh. nedr 23 no.10;56-58 0 '57.

(MIRA 11:2)

1. Sverdlovskiy gornyy institut.

(Ural Mountain region--Pyrite ores)

(Water, Underground) (Electric resistance)

S/169/62/000/005/035/093 D228/D307

AUTHOR:

Redozubov, A. A.

CIPLE:

The change of the survey depth in the average gradient

method in different parts of the profile

PLRIUDICAL:

Referativnyy zhurnal, Geofizika, no. 5, 1962, 34, abstract 5A266 (Tr. Sverdl. gorn. in-ta, no. 40, 1961,

TEXT: The results of impedance calculations at different points of the average gradient profile are presented for a two-layer medium. A pallet is given for introducing corrections into the impedance values for the change in the survey depth in various parts of the profile. A practical example is considered for one of the copper-ore districts of the South-Urals. The magnitude of an anomaly, created by an ideally conducting sphere located in different parts of the profile, is estimated by a calculation method and as a result of a laboratory experiment. It is concluded that in the case of a horizontally layered medium the impedance depends on

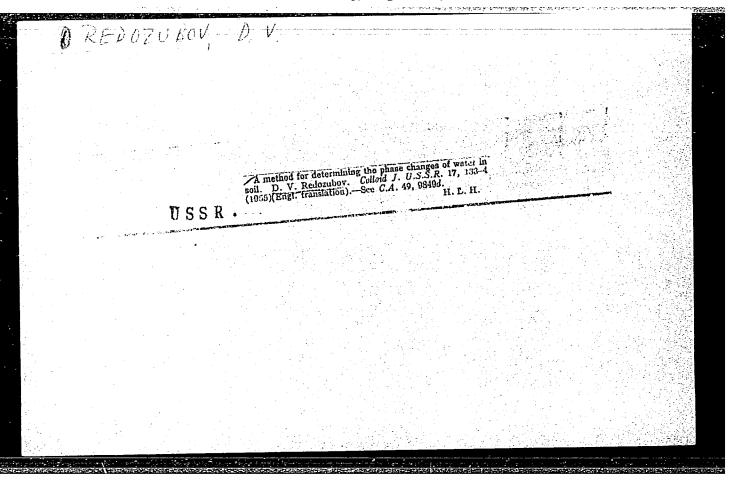
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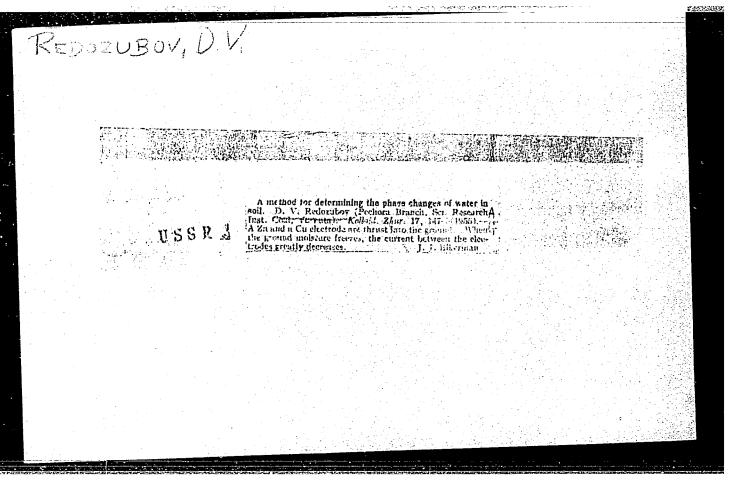
The change of the ...

S/169/62/000/005/035/093 D228/D307

the observation point's position in relation to the feed ground-connections, and also that in the search for local objects the survey depth near the feed ground-connections decreases negligibly. It is suggested that the profile's working part should be increased to 0.75 AB when operating by the average gradient method. It is recommended that some of the isoline method's electrode anomalies in the Urals should be reappraised. Zabstracter's note: Complete translation.

Card 2/2





(MIRA 15:7)

REDOZUBOV, D.V. Solution of some linear heat problems in a limited semi-infinite domain with moving boundary by the use of the SYE law. Zhur-tekh.fiz. 32 no.5:632-637 My '62. (MIRA 15:

1. Gornyy institut imeni G.V.Plekhanova, Leningrad. (Heat--Conduction)

s/057/62/032/005/018/022 B104/B102

24 (...)0

Redozubov, D. V.

AUTHOR: TITLE:

The solution of some types of linear heat problems in bounded and semi-infinite regions when the boundary moves in

accordance with the $\breve{\beta}\,\sqrt{t}$ law

Zhurnal tekhnicheskoy fiziki, v. 32, no. 5, 1962, 632 - 637 PERIODICAL:

TEXT: The differential equations

$$\frac{\partial U_1}{\partial t} = a_1^2 \frac{\partial^2 U_1}{\partial x^2} \quad 0 < x < y(t) \tag{2.1}$$

$$\frac{\partial U_2}{\partial t} = a_1^2 \frac{\partial^2 U_2}{\partial x^2} \ y(t) < x < \infty \tag{2.2}$$

are solved for the boundary and initial conditions of the first kind $U_1(0,t)=\psi_1(t)$ (2.3), $U_1(y(t),t)=U_2(y(t),t)=\psi_2(t)$ (2.4), $U_2(x,0)=0$ (2.5) under the assumption that $\psi_1(t)=A_1t^{n/2}$ holds and the motion of

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APPROVED FOR RELEASE: Tuesday, August 01, 2000

CIA-RDP86-00513R0014445

S/057/62/032/005/018/022 B104/B102

The solution of some types...

the boundaries is described by $y(t) = \beta \sqrt{t}$. n is zero or an integer, A_i and β are constant numbers, $\beta>0$. Under these assumptions the system has closed particular solutions of the form

$$(4i)^{n/2}i^nerfc \frac{\pm x}{2a_i\sqrt{t}},$$

$$i^{n}erfc(\pm y) = \int_{\pm y}^{\infty} i^{n-1}erfcvdv$$
(2.8).

$$i^{0}erfc(\pm y) = erfc(\pm y) = 1 - \frac{2}{\sqrt{\pi}} \int_{0}^{\pm y} e^{-x^{2}} da$$

The general solution is sought in the form $U_1(x, t) = C_1 (4t)^{n/2} i^n \operatorname{erfc} \frac{x}{2a_1 \sqrt{t}} + C_2 (4t)^{n/2} i^n \operatorname{erfc} \frac{x}{2a_1 \sqrt{t}}$ (2.9)

$$U_2(x, t) = C_3(4t)^{n/2} i^n erfc \frac{x}{2\alpha_2 \sqrt{t}},$$
 (2.10).

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The solution of some types...

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The solutions of the problem are obtained for boundary conditions of the second kind at the moving boundary in the bounded region and for boundary conditions of the third kind in the semi-infinite region.

ASSOCIATION: Gornyy institut im. G. V. Plekhanova Leningrad (Mining Institute imeni G. V. Plekhanov, Leningrad)

SUBMITTED: April 17, 1961 (initially), June 19, 1961 (after revision)

Card 3/3

REDOZUBOV, D.V.

Stefan's problem for the case of linear initial temperature distribution in a semifinite medium. Izv. AN SSSR. Ser. geofiz. no.4: 558-561 Ap '62. (MIRA 15:4)

1. Leningradskiy gornyy institut im. G.V.Plekhanova. (Heat--Transmission) (Frozen ground)